



10-DAY ONLINE WORKSHOP ON SPSS AND AMOS

Timeline: 1-3, 6-9, 21, 25 & 27 November 2023
Evening 6.30 pm – 9.30 pm

A 10-day online workshop on SPSS and AMOS is designed for researchers who embarked on the field of research and are keen to learn theories and applications of statistical software SPSS and AMOS. The workshop will equip you with setting up research design, theories and application of multivariate statistical analysis tools and practical exposure to SPSS and AMOS using real datasets.

1. Objectives

- To get insight into the research design and research methodology
- To experience handling cross-sectional data using Excel and SPSS
- To learn theories and applications of multivariate analytical tools
- To provide hands-on exposure to multivariate data analysis using SPSS and AMOS
- To master the skills regarding applications of Structural Equation Modeling (SEM)

2. Pre-requisite

- ✓ Basic understanding of descriptive and inferential statistics (Probability Distribution, Hypothesis Testing, Central Tendency, Dispersion, Correlations & OLS Regression)
- ✓ IBM SPSS software (any version) with IBM-AMOS (any version).
- ✓ Zoom or Team meeting app. (link will be send prior to the sessions)

3. Schedule

10-Day Workshop Schedule*		
Sl. No.	Course Content	Date (6.30 PM-9.30 PM)
1.	Research Design Theoretical framework, Literature Review Matrix, Research Structuring, Selecting measurement scales, data analysis tools.	1 Nov. 2023 (Day-1)
2.	Data Handling Data cleaning and coding, Creating SPSS dataset, Defining variable attributes, Imputing missing values, computing new variables.	2 Nov. 2023 (Day-2)



VYASADEVA ACADEMY FOR RESEARCH AND DATA ANALYTICS (VARDA)

Social Research Simplified



3.	Univariate Analysis Descriptive Statistics, Cross tabulation, Graphical presentation, Percentage Distribution, Normality test, Data outlier and Reliability of Scale, SW & KS Tests. Practical Session-1 (SPSS)	3 Nov. 2023 (Day-3)
4.	Multivariate Analysis -I Non-parametric Tests (MW & KW), Exploratory Factor Analysis (EFA) Practical Session-2 (SPSS)	6 Nov. 2023 (Day-4)
5.	Multivariate Analysis -II Chi-square distribution, t-test, ANOVA (one-way and two-way), Correlation Analysis Practical Session-3 (SPSS)	7 Nov. 2023 (Day-5)
6.	Multivariate Analysis -III Multiple Regression Analysis: Assumptions and Outcomes Practical Session-4 (SPSS)	8 Nov. 2023 (Day-6)
7.	Structural Equation Modelling -I Concept of SEM, Confirmatory Factor Analysis (CFA) Model validity and Model Fitness, Validity of Scale Practical Session-5 (AMOS)	9 Nov. 2023 (Day-7)
8.	Structural Equation Modelling -II Mediation Analysis, Structural Model, Reporting output Practical Session-6 (AMOS)	21 Nov. 2023 (Day-8)
9.	Structural Equation Modelling Moderation Analysis, Reporting output Practical Session-7 (AMOS)	25 Nov. 2023** (Day-9)
10.	Review and Discussion Reviews of all issues, Discussion on critical factors of research, Feedback	27 Nov. 2023** (Day-10)
* Content, Date and Timing of the sessions are subject to change		** timing may be altered

4. Resource Person

The sole resource Person for the workshop is Dr. Pijus Kanti Bhui, MA(Econ), MBA(HR), UGC-NET(Mgmt.), Ph.D(Mgmt.). He is presently working as an Assistant Professor, Rural Management, Dept. of Commerce, Bhatler College, Dantan. He has been teaching courses like OB, HRM, Business Economics, Statistics, Research Methodology, etc. at UG and PG levels at various universities and colleges including ICFAI University, Sikkim, and Vidyasagar University for the last 22 years.



Dr. Bhui participated in several research methodology workshops as a resource person in various state and national universities and colleges. He has published 12 research papers in journals of repute. He has enormous skills in data handling software like SPSS, E-Views, FSAS, and AMOS. He has demonstrated the same in numerous conferences, seminars, and workshops.



**VYASADEVA ACADEMY FOR RESEARCH
AND DATA ANALYTICS (VARDA)**
Social Research Simplified



5. Fee

*The fee for the complete course is Rs. 3500/- (INR) per candidate payable **on or before 1 November 2023**. The fee can be paid to any of the following UPI IDs or by scanning the given QR code:*

Google Pay: *pkbhuin-1@okicici*

Paytm: *9232786237@paytm*

Amazon Pay: *9232786237@apl*



6. Workshop Coordinator

*The coordinator of the present workshop is **Prof. Arunima Rudra**, SACT-I, Dept. of Commerce, S. A. Jaipuria College, Kolkata. She can be reached through contact number **(0) 9874873259** or e-mail ID: **arunimarudra2020@gmail.com** for any clarification/information.*